

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**INTEROFFICE COMMUNICATION**

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November 10, 1998

TO: File for sodium hypophosphite monohydrate (CAS# 10039-56-2)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for sodium hypophosphite monohydrate has been changed from 0.04  $\mu\text{g}/\text{m}^3$  to 0.1  $\mu\text{g}/\text{m}^3$  based on annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232 (i). This rule sets the ITSL at a default value of 0.04  $\mu\text{g}/\text{m}^3$  (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1  $\mu\text{g}/\text{m}^3$ .

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04  $\mu\text{g}/\text{m}^3$ , to determine if new data are available for this compound.

CAS: SLB

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**INTEROFFICE COMMUNICATION**

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February 11, 1998

TO: File for Sodium Hypophosphite Monohydrate (CAS #10039-56-2)  
FROM: Gary Butterfield, Toxics Unit, Air Quality Division  
SUBJECT: Screening level for Sodium Hypophosphite Monohydrate

A December 17, 1997, CAS and NLM on-line literature searches did not find any toxicity studies upon which the screening level could be based. Review of standard toxicity references (RTECS, ACGIH TLV's, NIOSH REL's, EPA IRIS and HEAST, NTP, and IARC) also did not locate any studies upon which the screening level could be based.

Therefore, because no toxicity data was available, at this time the screening level is based on R232(1)(i) which is the default value of 0.04  $\mu\text{g}/\text{m}^3$  with annual averaging.

GB:SLB

cc: Mary Lee Hultin, AQD